- A conveyance apparatus for use with carriages, comprising a rail device and a carriage supported and guided by this rail device and allowed to move along a fixed route, characterized in that the carriage is provided with a rotary control means extending to the left and right from the carriage body, who a transport object support means capable of rotating about an anteroposterior axis is provided to a free end section of the rotary control means, which is the carriage and a fixed end section of the rotary control means.
- 2. From A conveyance apparatus for use with darriages as claimed in Claim 1, characterized in that the rotary for the conveyance means of a conveyance of the conveyance of the conveyance of is the close to the conveyance of the
- in Claim 2, characterized in that the conveyance apparatus for use with carriages as claimed in Claim 2, characterized in that the conveyance of the conveya
- 4. A conveyance apparatus for use with carriages as claimed in that the contant of the contant o
- 5. A conveyance apparatus for use with carriager as claimed in the Control of A, characterized in that the Control of Con

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- 6. Amount. A conveyance apparatus for use with carriages as claimed in the Claim of 4, characterized in that the formation of the control of
- 7. A conveyance apparatus for use with carriages as claimed in a conveyance Claims --- , characterized in that the conveyance is a conveyance of the con
- A conveyance apparatus for use with carriages as claimed in any of Claims I to 100, characterized in that the control of the following the control of the co

- 9. 1. 1. A conveyance apparatus for use with carriages as claimed in more claim. The conveyance apparatus for use with carriages as claimed in means is rotated into a pendant position, and a liquid treatment is performed on the transport object supported on the free end section of the transport object support means in the treatment section.
- 10. A conveyance apparatus for use with carriages as claimed in Claimed, characterized in that at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, a transport object support means that has been retated about an anteroposterior axis in a horizontal position.
- 11. Fig. 300 A conveyance apparatus for use with carriages as claimed in may we Claims have \cdots , characterized in that the apparatus for use 1.000 for 1.000

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CLAIMS

- 1. A conveyance apparatus for use with carriages, comprising a rail device and a carriage supported and guided by this rail device and allowed to move along a fixed route, characterized in that the carriage is provided with a rotary control means extending to the left and right from the carriage body, a transport object support means capable of rotating about an anteroposterior axis is provided to a free end section of the rotary control means, and the rotary control means is supported and guided by a guide rail laid along the rail device and between the rail device and the anteroposterior axis.
- 2. A conveyance apparatus for use with carriages as claimed in Claim 1, characterized in that a rotary drive means capable of connecting with and disconnecting from the rotary control means is provided at a prescribed location along the fixed route.
- 3. A conveyance apparatus for use with carriages as claimed in Claim 2, characterized in that the rotary control means has a transversely extending control shaft, and the rotary drive means can be put in or but of engagement with the control shaft by being moved transversely.
- 4. A conveyance apparatus for use with carriages as claimed in Claim 2, characterized in that the rotary control means has a transversely extending control shaft, and the rotary drive means can be put in or out of engagement with the control shaft by being moved to

approach to or distance from the external periphery.

- 5. A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, characterized in that the transport object support means comprises a base on the side of the rotary control means and a distal portion for supporting the transport object, the distal portion being able to pivot about a longitudinal axis in relation to the base.
- 6. A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, characterized in that the fixed route passes through a treatment section, and the rotary control means is rotated in accordance with the type of treatment performed in this treatment section.
- 7. A conveyance apparatus for use with carriages as claimed in Claim 5, characterized in that the fixed route passes through a treatment section, and the rotary control means is rotated in accordance with the type of treatment performed in this treatment section.
- as claimed in any of Claims 1 to 4, characterized in that the transport object support means is rotated into a pendant position, and a liquid treatment is performed on the transport object supported on the free end section of the transport object support means in the treatment section.
- 9. A conveyance apparatus for use with carriages as claimed in Claim 5, characterized in that the transport object support means is rotated into a pendant position, and a liquid treatment is performed

on the transport object supported on the free end section of the transport object support means in the treatment section.

- 10. A conveyance apparatus for use with carriages as claimed in Claim 5, characterized in that at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, a transport object support means that has been rotated about an anteroposterior axis in a horizontal position.
- 11. A conveyance apparatus for use with carriages as claimed in Claim 7, characterized in that at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, a transport object support means that has been rotated about an anteroposterior axis in a horizontal position.
- 12. A conveyance apparatus for use with carriages as claimed in Claim 3, characterized in that at a prescribed location along the fixed route, a turning means is provided for turning, about a longitudinal axis, a transport object support means that has been rotated about an anteroposterior axis in a horizontal position.
- 13. A conveyance apparatus for use with carriages as claimed in any of Claims 1 to 4, characterized in that the fixed route passes through an electrodeposition chamber and a drying furnace; that in the electrodeposition chamber, the transport object support means is rotated into a pendant position where

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the transport object supported on the free end section of the transport object support means is introduced into a paint solution tank, and the transport object support means is then rotated into a horizontal position where the transport object is drained of excess solution; and that, in the drying furnace, the transport object support means is rotated into a vertical position where the transport object is dried.

as claimed in any of Claims 1 to 4, characterized in that the fixed route passes through a plurality of treatment sections; that the first-stage treatment section is an electrodeposition chamber; that the transport object support means is rotated into a pendant position where the transport object supported on the free end section of the transport object support means is introduced into a paint solution tank, and the transport object support means is introduced into a paint solution tank, and the transport object support means is then rotated and tilted slightly upward relative to the horizontal position where the transport object is drained of excess solution; and that the object is conveyed in the tilted state to a second-stage treatment section.